

MACHINE DIVISION

This chapter will deal with those aspects of the Machine Division (MD) not related to the Intellofax System.

*See 11/11/47*  
Close to 50 percent of MD's activities from 1947-67 were devoted to the Intellofax System and as such are discussed in detail in chapter \_\_\_\_\_ (Intellofax).

*Early Statement of Mission*  
The first responsibility of the Office of the Chief of the Reference Branch, Office of Reports and Estimates (ORE), <sup>1/</sup> ~~was~~ according to the Statement of Mission in March 1947, was to: "establish a machine operations center for appropriately and efficiently recording and filing intelligence information and intelligence in a readily accessible state for later listings, tabulations and statistical reporting by machine research techniques for CIG [Central Intelligence Group] and the member agencies. More specifically, the Central Index (MD's <sup>2/</sup> first name) was to:

1. Index, by business machine ~~method~~ procedures the subject matter of all available reports, and other documents, of a foreign intelligence nature.
2. Locate and identify upon request all available intelligence material pertaining to any specific foreign subject or area.
3. Analyze the Index at regular intervals to determine superabundance or dearth of available documentary foreign intelligence on any subject of interest to the national security.
4. Apprise the pertinent offices of the results of such analyses for appropriate action.
5. Prepare and distribute accession lists of all newly acquired, important foreign intelligence documents.
6. Provide, upon request, complete bibliographies of available intelligence material on any specific foreign subject or area.
7. Maintain and analyze the IBM card files of Foreign Funds Control and similar special IBM files for listings and statistical intelligence information, within the capabilities and physical limitations of the Reference Branch.
8. Acquire, code, and process the special US Bombing Survey Reports and similar documentary files within the limits set down by responsible intelligence and research offices, and limited only by the capabilities and physical limitations of the Reference Br.

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<sup>1/</sup> [redacted] AD/ORE to Advisor for Management, ICAPS, 25 Mar 47,

sub: Proposed Statement of Mission, Reference Branch, ORE. S.

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In requesting a grade raise for the Chief, <sup>C</sup>entral Index, the Assistant Director (AD)/CD added the following responsibilities <sup>1/</sup> in 1948:

1. Act as consultant on matters involving all types of office machine operations and technical procedures for CIA and member agencies.
2. Maintain continuous liaison with specialists both in technical industries and companies outside the government and with specialists in the intelligence offices associated with CIA.
3. Maintain continuous study, investigations, and research in the field of management engineering to assure the use of the most efficient and up-to-date methods and procure in carrying out the mission of the Reference Center.

*responsibilities were carried out in the*  
 These three ~~duties~~ set the tone for the constant research on the part of MD ~~chiefs~~ for new and improved methods in machine techniques, not only for OCD/OCR but also for other Agency components.

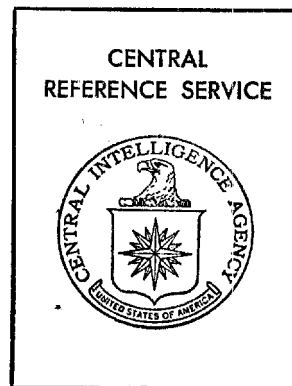
MD's mission was realistically spelled out in 1957/58 <sup>2/</sup>  
 to perform the following tasks: (1) maintain and service various files, capable of being mechanically handled, which index or provide organized data related to intelligence information held by certain OCR components, and upon request, within its manpower capabilities, perform similar services for other Agency components. (2) Investigate and develop, when necessary, new equipment which will aid in the information processing problems of the DD/I. Upon request

<sup>1/</sup>Central Index Increase in Grades. (undated, probably early 1948)  
 S. File: Tables of Organization 1947-51. Job: 58-98/6

<sup>2/</sup>

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8. Acquire, code and process the special US Bombing Survey Reports and similar special documentary files within the limits set down by responsible intelligence and research offices, and limited only by the capabilities and physical limitations of the Reference Branch.

*names & chiefs*

Historically the Machine Division had three names from 1947-67. It was first organized as the Central Index of the <sup>Reference</sup> ~~Branch~~ <sup>(soon renamed)</sup> ~~Center~~ <sup>Center</sup> (frequently also called the Reference <sup>Center</sup> ~~Branch~~) of the ORE from early 1947 until the merger of the <sup>Reference</sup> Center with the Office of Collection and Dissemination (OCD) in May 1948. Under the new OCD, it was designated the Machine Methods Division (MMD) which name it retained until 1950 when it became the Machine Division. It remained MD until September 1966 when the Office of Central Reference (OCR, successor to OCD) reorganized and <sup>all OCR's</sup> ~~the~~ machine elements were <sup>combined in</sup> ~~designated~~ the Machine Support Division. It will henceforth be referred to as MD in this chapter.

MD had four chiefs during its 20 years of existence.

25X1A9a [REDACTED] a Navy Commander who had headed a large IBM indexing effort during World War II, reported for duty in March 1947 to organize the machine operations. He transferred to the Management

25X1A9a Staff in September 1950 as chief of a machine planning and development group for the <sup>entire</sup> Agency. [REDACTED] who also reported for duty in

25X1A9a March 1947, had been [REDACTED] side deputy and had been responsible for the development of much of the early equipment for the central reference facilities. He served as chief until September 1954 when he joined

25X1A9a the Eastman Kodak Company. He was succeeded by [REDACTED], who had

25X1A9a been Assistant Chief of the Special Register (SR) and responsible for machine developments in SR. With his sudden death in January 1958,

25X1A9a the division reins were taken over by [REDACTED], who had been

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Space orientation in 1947 dictated that separate machine sections for the Industrial Register (IR) and the Biographic Register (BR) be established. It was ~~Dr. Kenneth Adcock~~ <sup>early management</sup> the hope of Kenneth Adcock (Acting Chief, ~~Reference Center~~) <sup>1/</sup> in 1947 that when all the registers were fully activated, the machine operation would be again be examined to determine the feasibility of organizationally separating machine personnel from the Registers. As an alternative to transferring all machine operations to a single jurisdiction, James M. Andrews, Assistant Director (AD) of OCD, in 1949 appointed the Chief, MD to exercise general surveillance over all OCD machine <sup>activities</sup> <sup>2/</sup> operations. There is no indication in the records that the absorption of IR's machine section by MD was reconsidered when the two units became collocated in the Riverside Stadium in April 1952. <sup>main four in Building</sup> In July 1958 <sup>that</sup> the machine operations of IR were merged with MD <sup>it wasn't until</sup> (BR had moved to North <sup>B</sup> building) to provide better job scheduling and machine utilization. [REDACTED] AD at the time, felt that this merger was of primary importance to fully test combined units prior to the move to the new building in 1961. <sup>3/ it reports after the move that a savings of</sup> and the BR machine operations were <sup>at the time of the</sup> absorbed by MD in the fall of 1961 <sup>then</sup>

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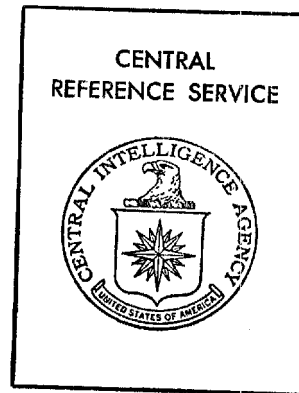
approximately 3 man  
years had been effected.

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- 1/ Memo, [REDACTED], 13 Nov 47, sub: Reference Center T/O. C. File: Tables of Organization 1947-51 Job: 58-98/6
- 2/ Memo, AD/CD to all Divisions, 16 Dec 49, sub: Coordination in Machine Methods. U. File: OCR History Dec 1946-52 Job: 59-875/1
- 3/ Memo, DAD to AD/CR, 18 July 58, sub: Merger of Industrial Register Machine Operation with Machine Division. C. File: Machine Division 1947-58 Job: 60-548/1

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Through a ~~Management Survey~~ recommendation based on a Management Survey of machine methods in the Agency, the Administrative Projects Branch was established in the Central Index in the fall of 1947 to perform accounting and administrative records work on a punched card basis for the Administrative Staff of the Agency. In August 1950 this activity with eleven T/O slots was transferred to the ~~Special Support Staff of Administration and Management~~ MD was relieved of providing this administrative support in August 1950 with the transfer of eleven T/O slots to the Special Support Staff of Administration and Management. <sup>1/</sup>

One of the earliest non-OCD jobs that MD assumed in 1948 and continued until 1967 was work for the National Intelligence Survey (NIS) Gazetteers. <sup>2/</sup> A punched card procedure was developed in order to produce gazetteers of place names for the NIS program. For purposes of efficient operation for an unclassified project, the key punching was performed in the Board of Geographic Names (BGN), South

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[REDACTED] The machines and personnel (2 key punchers and one supervisor) were those of MD. In a report to the Clark Committee in 1954, the AD/CD stated that this activity consumed 5 percent of MD's manpower. <sup>3/</sup> In 1959 support to this program cost OCR \$35,635. <sup>4/</sup>

In April 1962 ~~MD~~ MD moved the two key punch operators from Interior to Headquarters because of the inability of BGN to release material for punching on an even flow. <sup>5/</sup> The scarcity of trained keypunch personnel at a time when MD's punching requirements for all customers were increasing forced MD in 1963 to contract the job to a commercial keypunch service. Eventually- approximately 1965- this also proved unsatisfactory and the job was brought back to MD. <sup>6/</sup>

<sup>6/</sup> 25X1A9a [REDACTED] CRS EDPD, May 1973

<sup>5/</sup> Memo, C, MD to AD/CR, 27 Feb 63, sub: NIS Gazetteer Production. C. File: Machine Division 1962-63 65-413/4

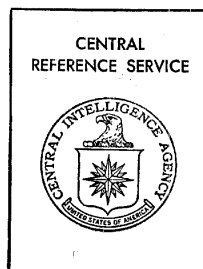
<sup>1/</sup> Memo, Management Officer to Acting Executive, 25 Aug 50, sub: Administrative Tabulating Machine Functions. C. File: Tables of Organization 1947-51. Job: 58-98/6

<sup>2/</sup> Memo, Management Officer to Acting Executive, 12 July 50, sub: Machine Methods and Agency Operations. C. File: Management Office 1949-51. Job: 58-98/3

<sup>3/</sup> Machine Division, Priorities and Limitations on Manpower. 20 July 53

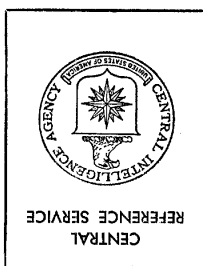
<sup>4/</sup> File: Clark Committee-1954, Job: 66-518/1  
<sup>5/</sup> Memo, AD/CR to DD/I, 15 June 59, sub: Survey of OCR Functions, Tab B.  
<sup>6/</sup> # 16 Extra-Office Machine Support. S. File: DD/I 1959-61 Job: 64-341/3

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3/Memo, AD/CD to Acting AD/RR, 21 Feb 52, sub: Initiation of International Trade Register. S. Chrono 1952. Job: 58-98/6

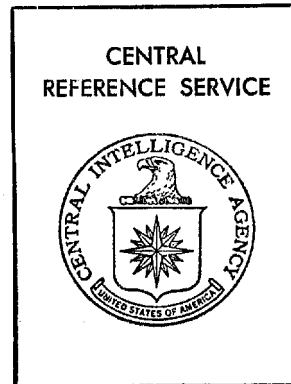
Machine Division, OCR. Summary of Personnel, Equipment, and Supply, Requirements and Costs Calendar Year 1959. C. File: Machine Division 1959 Job: 61-416/2

Indicative of <sup>other</sup> the work MD performed in addition to Intellofax is the list of tabulating card files maintained in 1957 as a service to Agency components: <sup>1/</sup> The starting date is indicated when known. <sup>MD prepared a detail summary of personnel, equipment, and costs in 1957</sup>

1. The Library Book Order file served as an accounting record of all domestic and foreign publications procured by the Acquisitions Branch of the Library for all offices in the Agency. MD began this <sup>punched card</sup> file in 1949 for domestic book and periodical subscriptions.
2. The Card Catalog file was an index to all books in the CIA Library. Begun in 1949, this IBM file was maintained by MD until the Library switched its book cataloging from the Intelligence Subject Code to Library of Congress classification scheme in 1959.
3. Three files, the Film (motion picture films), Spot Photography (ground photography), and Personality (photographs of persons) were indexes to material held by or available to OCR's Graphics Register. <sup>For details</sup> See chapter \_\_\_\_\_ (Graphics Register)
- 25X1A2g 25X1X4 4. The [REDACTED], maintained for DD/P, was used to prepare machine listings of information related to people traveling to and from <sup>Communist</sup>  ~~Bloc~~ countries.
- 25X1B4d 5. The [REDACTED] was used for preparing machine listings for ORR for the analysis of freight traffic.
6. The River Register File was used for preparing machine listings <sup>for ORR</sup> of Russian river vessels.
7. The Foreign Trade Register, started in February 1952 <sup>3/</sup> for ORR, and ~~containing the names of business establishments outside the transacting trade Soviet Bloc with business transactions with Communist countries,~~ was used for preparing machine listings of names of business establishments which were involved in outside the ~~Soviet Bloc with~~ trade transactions with  ~~Bloc~~ Communist countries.

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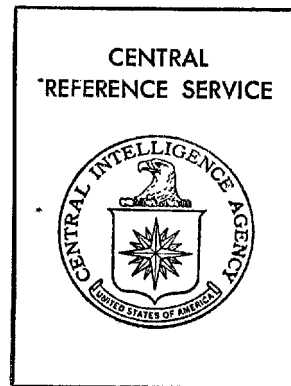
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As new activities mushroomed, MD's keypunch support work, increased. *to remove elements*

In 1962 the creation of a Requirements Registry in OCR and the establishment of the Committee on Documentation (CODIB)'s Staff for the Community Information Processing (SCIPS) added to the division's work load. Support to SCIPS in calendar 1963 was reported as 3.5 man years. <sup>1/</sup> Throughout the entire [redacted] effort from 1964 to 1967 MD provided heavy support to the

Office of Computer Services (OCS). During the last quarter of FY 1966,

MD punched and processed 25,000 cards or the equivalent of one man year for that period. <sup>2/</sup> *MD monthly report for 1965 and 1966* FDD Publications Survey Questionnaire and FDD Contractor's List, OBI Map Library Area Card File: CODIB's Content Control Code, a subject and area code. Office of Operation's Foreign Equipment Directory, among a few. MD duplicated index decks, such as the Intelligence Subject Code, the USSR Travel Folder, and the Ground Photography, to meet a DIA request for input to iys computer system.

Program and other activities approved by OCR at the request of other

FY 1964-

- 1/Memo, A ting AD/CR to DD/I, 12 Dec 63, sub: Functions and Workloads Absorbed Calendar Year 1963. S. File: DD/I 1963 Job: 66-496/2
- 2/Memo, C/MD to D/CR, 11 July 66, sub: Machine Division Monthly Reports June 66. C. File: Machine Division Monthly Reports 1966. Job: 71-18/1
- 3/Monthly Reports 1965 and 1966. File: Machine Division Monthly Reports 1965, 1966. Job: 71-18/1

Absorbed Calendar Year 1963. S. File: DD/I 1963 Job: 66-496/2

Memo, AD/CR to DD/I, 15 Jan 59, sub: Survey of OCR Functions, Tab B.

# 16. Extra-Office Machine Support. S. File: DD/I 1959-61 Job: 64-841/3

Description and Statistical Summary of OCR Reference Support Program.

Sept 66. S. CRS Historical Files

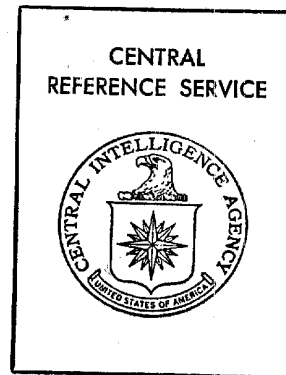
Memo, C/MD to D/CR, 14 Mar 66, sub: Machine Division Monthly Report Feb 66

C. File: Machine Division 1966 Monthly Reports 1966. Job: 71-18/1

Memo C/MD to D/CR, 14 July 66, sub: Machine Division Monthly Report June 66. C. File: MD Monthly Report 1966 Job: 71-18/1

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MD

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Charged with the responsibility for the development and

efficient operation of special machines and equipment for OCD,  
and for providing advisory services for CIA offices and other  
intelligence agencies on the availability and use of new machine  
methods and equipment for intelligence operations, the MD experts  
maintained close contact from the outset with leading designers and  
manufacturers of information storage and retrieval and micro-  
photographic equipment. In fact, the ingenuity and expertise of OCD

employees and the unique information handling needs of OCD in some  
instances led to the development of new machinery or new applications of  
existing equipment especially adapted to its operating needs. The utilization  
of aperture cards for storage, the Photostat Expediter for rapid reproduction,  
introduction of the Flexowriter, modification of Recordak cameras, and testing  
closed circuit television equipment were but some of the projects reviewed  
and adapted by MD. The expertise of the personnel of this Division was constantly  
refreshed by special training which kept them abreast of the rapidly  
changing technology and prepared them for conversion to the world of  
computers in the late 1950's, the late 1960's. By mid-1959 14 persons in MD  
had completed various Agency sponsored and non-Agency sponsored electronic  
computer school courses.

Not all experimentation was successful. In 1952 MD personnel  
worked closely with the Office of Scientific Intelligence (OSI), which had  
originally sponsored the project with the

A special machine developed by Hans Luhn  
of IBM was made available to MD, and [redacted] and his team from [redacted] spent many

months with MD personnel and OCD indexing personnel in designing and testing

\* For details see chapter (Intellograf)

Memo, C MD to AD/CR, 19 June 59, sub: Completion of Computer School  
Approved For Release 1999/09/24 : CIA-RDP84-00951R000300030005-3

\*\* MD developed a punch card print-out unit for vital material  
[redacted] a machine a Flexowriter to an IBM card punch machine the equipment ->

MD performed research in development of a combination of  
closed-circuit television and high-speed facsimile equipment enabling  
a requester to view & copy documents in a near real time office  
from [redacted] & C/M D [redacted] Subj: [redacted]  
Proposed Television & Facsimile System for Library Application - U. K. [redacted]  
MD 1959-58 Job: 68-948/1

R9 D

Annual Report 1958-1964 File: Annual Reports Job: 68-987/4

this is called [redacted]

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replaced an IBM 402  
tabulator in OMR  
at a substantial  
savings in machine  
rental.

(Source: Annual Report of  
the Office of Central Reference  
By 1964 CIA/OPR-7  
S. Zb: Annual Report  
1964-65 Job: 68-487/4

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2) Memo for the Record, AD/CR, 14 Sept 54, sub: the Rapid Selector Project, C. Wood, 60-548/1, 1947-58

the machine did not meet the standards and MD's was rejected.

3) Memo, C/MO to Executive, OCP, 15 Dec 52, sub: Inventory of Short Term & Long Term Efforts Being Made to Identify Information Related to Activities, C. Wood, 1947-58, 60-548/1

scientific a comprehensive coding system, which would serve the needs of CIA as well as other government departments. Dr. Andrews finally stated to the Office of Intelligence Coordination in ~~November~~ <sup>July Nov.</sup> 1952 that ~~he did not feel much~~ <sup>he</sup> ~~tangible benefit~~ that CIA would gain much tangible benefit from the project and that he did not approve of an extension of contract RD-20. In 1954 MD ~~had~~ <sup>was</sup> had doubts whether the Rapid Selector (a machine for the rapid sorting of material on microfilm, developed by Vannevar Bush and improved upon by Ralph Shaw) could be adopted for OCD's mass production requirements. <sup>MD</sup> In the early 1950's, MD and Library managers became interested in the Taube-Gull Coordinate Indexing scheme, <sup>In this form of indexing,</sup> whereby cards were set up <sup>get</sup> cards were set up for each subject encountered, and on each card, document numbers were entered for each document that contained that subject. If a relationship between two subjects was required, then two cards or series of cards relating to the two subjects <sup>the</sup> were pulled and coincidence of document numbers was noted visually or matched by machine. OCD rejected coordinate indexing as being too cumbersome for a large collection of indexed material. <sup>with which MD was heavily involved,</sup> ~~Another experiment, Minicard, was terminated in 1960 when it was concluded that it would not provide substantially improved service to compensate for costly and cumbersome processing procedures. See chapter~~ <sup>In the early 1960's, which MD</sup> ~~(Intellofax). Another item tested was the Videograph Reproduction System, developed by the A.E. Dick Company, of interest to~~ <sup>\*\*\*</sup> MD as a <sup>N</sup> improved office reproduction system that would be dry process, faster than the Photostat Expeditors used in the Intellofax System, and equipped to handle both hard copy and aperture cards. Two years of

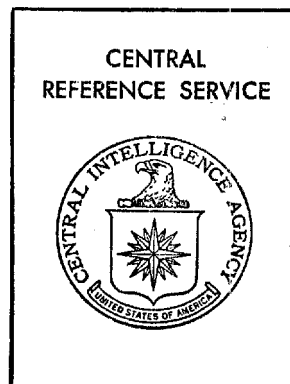
\* [redacted] was one of the three Library Consultants who surveyed the Library in 1957. See chapter (Library).

(74) 0101452 58/98/4

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developmental work and testing (1960-62) led to its rejection by MD because the end product was of unacceptably poor quality. MD tested a prototype of an automatic film mounter in <sup>1959/60</sup> 1960 but after a prolonged period of debugging rejected it in <sup>early</sup> 1960.

Successful in-house developments included an automatic flash number display unit for the microfilm camera; a cartridge loading device and an automatic shutter for camera indexing for the Iodestor (Recordak) viewers; modified film feeders on aperture card feeders, and a TV camera mount for the Office of Security.

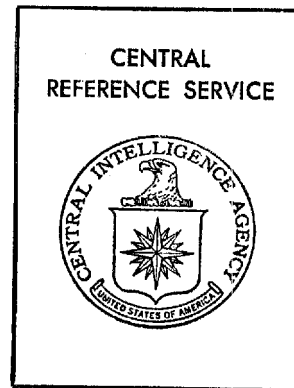
MD throughout ~~the~~ the years had a maintenance section or equipment services ~~activity~~. It was not only responsible for the operation and maintenance of all the equipment used in the Intellofax System, <sup>this stuff</sup> but was also charged with the maintenance of the various types of office copying equipment installed throughout the Agency. A small machine and electronic shop was maintained for research and experimentation with new products to determine the feasibility of their use. The shop also designed and fabricated certain specialized equipment for other components of the Agency.

1/ Memo AD/CR to Project Review Com., 2 Nov 60  
sub "Additional Funds for Film Mounter Project"  
S - in Chron 60 Job: 64-381/1

2/ Memo DAD/CR to AD/CR, 19 Jan 62 sub: The Chron 62  
Pres. O. Deal Review Card Mounter. U. Rel. Chron 62  
1/ Annual Report of the Office of Central Reference FY 1963.  
CIA/CR AR-6, 1 Nov 63 S. File: Annual Reports Job: 68-187/4

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The Machine Division was affected by the Minicard test which lasted during all of 1959 and part of 1960. 15 individuals to the Automation Development Group were detailed effective 15 Jan 59 to staff the OCR Minicard test.

In July  
In the summer of 1958, OCR established a small staff with

documentation and technical backgrounds, to follow automation developments in industry and government and to plan applications of new equipment in OCR. This transferred developmental responsibility

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from MD to ADG. [redacted] Chief, Planning Staff, MD was

named to head the staff. The [redacted] Group followed developments in

information handling equipment and performed the planning and pilot testing

of machine applications to OCR operations, thus transferring

developmental responsibility from MD to ADG

ADG was responsible for the Minicard experiment

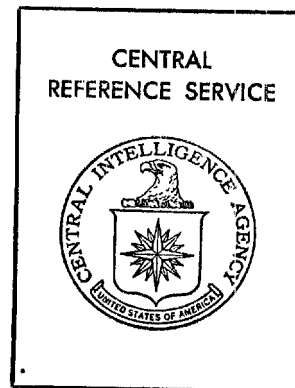
(1959-60) to which "about" MD detailed 15 individuals

for more than a year.

2 Memo, Special Assistant to AD/CR to AD/CR, 20 Jan 59, sub: Detail of Personnel to staff Minicard Test C. File: Chrono 1959 Job: 63/9  
1 Memo, AD/CR to Chief, Field Coordination Staff, 31 July 1958, sub: Contribution for the DDI Newsletter. S. File: Chrono 1958 Job: 63-9

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in 1965  
The establishment of a Systems Analysis Staff directly responsible to the AD's office freed MD of the responsibility for research testing and experimental design, and of Project [redacted] an effort to achieve an improved capability to store and retrieve information, through the combination of machine and human techniques for controlling massive volumes of information changed the overall responsibility of MD for large scale research

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FY 1965 saw the creation of two staffs which freed MD of responsibility for blue-sky planning: a Systems Analysis Staff directly responsible to the Director/OCR's office and the [redacted] Task Force. [redacted] was the joint Office of Computer Services-OCR effort to achieve an improved capability to store and retrieve information through the combination of machine and human techniques for controlling massive volumes of information in the computer world.)

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With the establishment in 1961/12 of the Agency's Automatic Data Processing Staff (ADPS) and in FY 1965 of the Systems Analysis Staff directly responsible to the Director/OCR's office & the Task Force (this was) MD was freed of responsibility for long-range planning in the field of automatic data processing system.

1) OCR Annual Report FY 62  
CIA/CR AR-5 21 Sept 62

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Inspector General Surveys

1956

(April) ✓

1956

IRS Historical File

The IG found MD's organization fundamentally strong: T/O of 70 divided into three branches: Microfilm, Operations, and Planning.

"A genial spirit of friendship and comradeship, generated primarily by the key supervisors, has created an essentially happy organization in which the morale of many personnel in lower grades doing tedious work is surprisingly high." However, the IG felt that the relaxed manner and informality resulted in slackness and inefficiency in certain of the Division's administrative practices, such as disorderly divisional records and unclear instructions to subordinates.

The IG criticized MD for accepting too many ad hoc requests for providing service from its laboratory section of the Microfilm Branch. The Survey

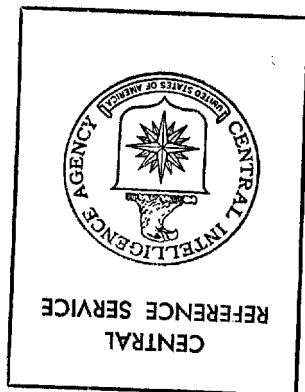
highlighted the inability of the Planning Branch to identify, on its own initiative, areas in which machine techniques could improve intelligence operations; the IG stated that generally the Branch waited for other offices in the Agency to come to MD with a problem. The IG did commend the Planning Branch, however, for the indexes in support of OCR, the NIS Gazetteer Program, and ORR. The IG recommended that the AD/CR confer with the Chief of the Management Staff and agree upon an aggressive program utilizing the joint resources of MD and Business Machines Staff, Management Staff, to search for and identify areas within the Agency, wherein machine techniques could contribute effectively to the solution of long-range Agency information handling problems.

*In the DD/I's report to the Director of Central Intelligence, the AD/CR was asked to report on the progress of the work that the C/MD had already been directed to comply with the request that he devote more time to the daily operations of the Laboratory Section, that the AD/CR had already consulted with the Chief of the Management Staff to ensure more extensive adaptation of machine techniques to the solution of long-range information handling problems.*

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1963 (September)

On the whole the IG Survey of 1963 was not too critical of MD. There were a few operations which the survey pointed out for correction. The IG found the Card-punch Section of 25 individuals perpetually undermanned, and facing an enormous backlog. <sup>establishment</sup> The ~~impact~~ of the ~~the Requirements Registry in OCR~~ because of keypunch load from the new ~~OCR~~ Requirements Registry of OCR. The IG recommended that the DP/I request ~~from~~ the Director of Personnel to provide on a temporary basis from the clerical pool five additional keypunch operators for MD to obviate excessive overtime and reduce backlog. The IG ~~also recommended~~ that found that the Planning Staff was not consulted about new computer programs in advance and therefore could not Agency units levying programming requirements on ~~the P/I~~ MD were not consulting the skilled and experienced Planning Staff personnel in advance usually established their own guidelines before consulting the skilled and experienced Planning Staff and then tended to resist logical changes recommended by the staff of experts. The IG therefore recommended that the AD/CR instruct the C/MD to require all customers to initiate requests for programming services at the earliest practicable stage with the Planning Staff and that the Planning Staff review such requests and recommend any necessary modifications prior to their acceptance by MD as an approved project. The IG was concerned which had arisen about the dissatisfaction among the former Biographic Register machine personnel since the merger of BR's machine unit into MD. In the IG's discussions this problem with with MD management and MD was taking construction action by rearranging machine assignments among the several units on a more equitable basis.

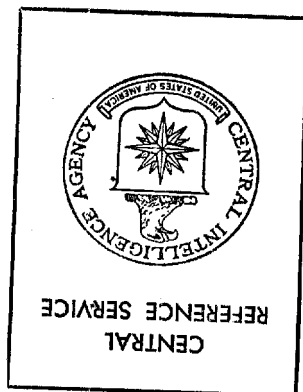
The IG raised the question of ~~exp~~ more exposure to Agency and non-Agency training for MD personnel. Tabulator equipment operators were

interested in computer training and keypunchers were interested in

GROUP 1  
Excluded from automatic  
downgrading and  
declassification

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